

COMMON LANGUAGE

LOCATION IDENTIFICATION

DESCRIPTION

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1. GENERAL

1.01 This section describes the location identification code which consists of a maximum of 11 characters for identifying locations in the United States, Canada, and foreign countries. The first four characters encode a town name; the next two encode a state, Canadian province, or foreign country name; and the next four or five characters (depending upon the actual location to be coded) encode a central office building and subdivision or a location other than a central office building.

2. TOWN AND STATE CODE

2.01 The town and state code consists of a total of six alphabetical characters as follows:

- (a) *Character Positions 1 to 4—Town:* The town code designates the town of interest. These codes are established by the AT&T Common Language Group.
- (b) *Character Positions 5 and 6—State:* The state code designates the state, Canadian province, or foreign country in which the encoded town is located (See Table A).

3. CENTRAL OFFICE BUILDING AND SUBDIVISION CODE

3.01 The central office building and subdivision code consists of either four or five characters and is used to identify all buildings containing central office equipment and any subdivision within a building.

3.02 *Character Positions 7 and 8—Building:*
The first two characters of the central office building and subdivision code are used to designate the central office building. The code consists of either two alphabetical characters (except *X* in position 7) or two numerical characters.

EXAMPLES

State Street Building	ST
East 30th Street Building	30
Winston No. 3 Building	03

Note: Alphabetical character *X* is reserved for encoding non-Bell System locations. These locations are encoded by the use of two alphabetical characters. Alphabetical character *X* is used in the seventh character position, and an alphabetical character designated by the coder is used in the eighth character position.

EXAMPLE

XA (Bold-faced *A* represents any alphabetical character designated by the coder.)

3.03 *Character Positions 9 and 10—Administrative Unit:* Administrative units located in central office buildings are identified by a 2-character code suffixed to the 8-character building identification code. The administrative unit code consists of one alphabetical plus one numerical character. (See Fig. 1 for the complete format.)

Note: The first eight characters may embody a complete code.

Coding Data	Town	State	Building	Administrative Unit	
Character Positions	1 to 4	5 and 6	7 and 8	9 and 10	11

Fig. 1 — Format For Location Identification Code — Administrative Units

3.04 Administrative units include frames and floors and any other subdivision within a building, except traffic units. A frame and floor code consists of one alphabetical plus one numerical character. For example, the main frame on the first floor may be coded **M1**.

3.05 *Character Position 11:* This character position is left blank.

3.06 *Character Positions 9 to 11 — Traffic Unit:* Traffic units located in buildings are identified by a 3-character code suffixed to the building identification code. The traffic unit code consists of one of the following combinations of characters: one alphabetical plus two numerical, two alphabetical plus one numerical, three alphabetical, or three numerical. (See Fig. 2 for the complete format.)

Coding Data	Town	State	Building	Traffic Unit
Character Positions	1 to 4	5 and 6	7 and 8	9 to 11

Fig. 2 — Format For Location Identification Code — Traffic Units

3.07 The traffic unit divisions are encoded as follows:

(a) *Class 5 Offices:* A single-unit trunk termination is identified by the central office prefix or dial-pull code. A multiunit or multi-type termination is identified by substituting an arbitrary alphabetical character for the third character (numerical) of any single-unit termination in the combination.

EXAMPLES

Single-Unit Termination CE5 or 235
Multiunit or Multitype Termination CEA or 23A

Note: Bold-faced A represents any alphabetical character except B or T.

(b) *Marker Groups:* A single-unit marker group termination is identified by the letters **MG** plus the marker group identifying number. A combination of units is identified by substituting an arbitrary alphabetical character for the identifying number of any marker group unit included in the combination.

EXAMPLES

Marker Group 0 MG0
Marker Group 1 MG1
Marker Group Combinations MGA

Note: Bold-faced A represents any alphabetical character except B or T.

(c) *Tandem Offices:* A tandem trunk termination is identified by a code consisting of two alphabetical or two numerical characters plus the letter **T**. A multiunit or multi-type tandem trunk termination is identified by the alphabetical character **C** followed by an arbitrary numerical character 1 to 9 plus the letter **T**.

EXAMPLES

Broadway Tandem BRT
East Broadway Tandem EBT
No. 1 Tandem 01T

Multiunit or Multitype Tandem Trunk Termination C1T

(d) *4A and 4M Offices:* A No. 4 switching unit is identified by prefixing the numeral **0** to the type of switching machine involved.

EXAMPLES

4A System 04A
4M System 04M

(e) *Boards and Desks:* A board or desk trunk termination is identified by the following numerical-alphabetical codes.

EXAMPLES

Toll	NTB
DSA	NDB
Traffic Service Position (Universal TSP)	NUB
Information	NIB
Intercept	NNB
Combined Information and Intercept	NQB
Inward	NWB
Service Observing	NOB
CAMA	NCB

Official (PBX)	NPB
Combined	NBB
Repair Desk	NRB
Special (Conference, Mobile, Marine, etc.)	NLB

Note: Bold-faced N represents any numerical character.

3.08 Examples of the buildup of complete location identification codes, such as CNVLWIMRCE5, for central office buildings and building subdivisions are as follows:

		Character Positions	1	2	3	4	5	6	7	8	9	10	11
Town	Centerville		C	N	V	L							
State	Wisconsin						W	I					
Central Office Building	Market Street Building								M	R			
Building Subdivision	Class 5 Unit										C	E	5
Building Subdivision	Marker Group 0										M	G	0
Building Subdivision	No. 1 Tandem										0	1	T
Building Subdivision	No. 2 Toll Board										2	T	B
Building Subdivision	No. 3 Information Board										3	I	B
Complete Codes:			C	N	V	L	W	I	M	R	C	E	5
			C	N	V	L	W	I	M	R	M	G	0
			C	N	V	L	W	I	M	R	0	1	T
			C	N	V	L	W	I	M	R	2	T	B
			C	N	V	L	W	I	M	R	3	I	B

4. LOCATION OTHER THAN CENTRAL OFFICE BUILDING CODE

4.01 The code for identifying locations other than central office buildings normally consists of one alphabetical character plus three numerical characters suffixed to the town and state code described in 2.01. (See Fig. 3 for the complete format.) Examples of items that may be coded are as follows:

- (a) Poles and manholes containing central office equipment.
- (b) Repeater huts.
- (c) Radio towers.
- (d) Poles and manholes serving as cable or open-wire junctions.
- (e) Special Service customers as required.
- (f) Any other location which a company desires to identify by a code.

Coding Date	Town	State	Location Other Than Central Office Building	
Character Positions	1 to 4	5 and 6	7 to 10	11

Fig. 3 — Format For Location Identification Code — Location Other Than Central Office Building

4.02 Character Positions 7 to 10 — Location Other Than Central Office Building: Locations other than central office buildings are normally identified by a one-character alphabetical code (except *X*) in character position 7 for the item of interest, suffixed by a 3-character numerical code in character positions 8 to 10 for the number assigned to the unit. The codes are as follows:

ITEM	CODE
Manholes	M
Plant Testboards	T
Poles	P
Radio Towers	Q
Special Service Customer Locations	S
Repeater Stations	R

Note: Alphabetical character *X* is reserved for encoding non-Bell System locations.

NUMBER OF UNIT	CODE
1 to 9	001 to 009
10 to 99	010 to 099
100 to 999	100 to 999

Note: If more than 999 units of one location must be coded, a second alphabetical character will be designated by the AT&T Common Language Group.

4.03 Character Position 11: This character position normally is left blank.

4.04 The following examples illustrate complete codes for locations other than central office buildings. Exceptions to the ANNN code arrangement described in 4.01 and 4.02 are found in examples (e) and (f).

(a) *Manholes* — Code *M121* may indicate a manhole west of Helen Street on Merrick Road.
Complete code: CNVLWIM121.

(b) *Plant Testboards* — Code *T012* may indicate a plant testboard.
Complete code: CNVLWIT012.

(c) *Poles* — Code *P762* may indicate pole No. 762 on Montauk Highway.
Complete code: CNVLWIP762.

(d) *Radio Towers* — Code *Q001* may indicate tower No. 1 at Dix Hills.
Complete code: CNVLWIQ001.

(e) *Special Service Customer* — A code consisting either of one alphabetical character plus three numerical characters, or of one numerical character plus three alphabetical characters, may be used.
Code *S123* may indicate Sperry Company at 123 Market Street.
Complete code: CNVLWIS123.
Code *ITEX* may indicate Texas Company at 132 Market Street, 1st floor.
Complete code: CNVLWIITEX.

Note: Centrex equipment located on customer's premises may be encoded as a central office by using the 2-character abbreviation of the customer's name in character positions 7 and 8, followed by the centrex code in character positions 9, 10, and 11.

Complete code: CNVLWIGE123.

(f) **Repeater Stations** — A code consisting either of one alphabetical character plus three numerical characters, or of one alphabetical character plus two numerical characters plus one alphabetical character, may be used.

Code **R001** may indicate a repeater hut at 7th and Main Streets.

Complete code: CNVLWIR001.

Code **N01E** may indicate a repeater at Pole 87, Deer Park Avenue.

Complete code: CNVLWIN01E.

5. LOCATION IDENTIFICATION CODES

5.01 The Location Codes are arranged in two lists. One list is arranged by the alphabetical-numerical sequence of the location codes; the other is arranged by the alphabetical sequence of the town names.

5.02 Sections 005-230-101 to 005-230-148 contain the Location Identification Code lists. Locations within the Continental United States are listed in Sections 005-230-101 to 005-230-146. (North Dakota is combined with South Dakota, North Carolina is combined with South Carolina, and California is combined with Nevada.) Locations outside the Continental United States (Alaska, Hawaii, Canada, and foreign countries) are listed in Section 005-230-147. Long Lines locations are listed in Section 005-230-148.

5.03 A list of Location Identification Code Sections by state, Canadian province, and foreign country is shown in Table A.

TABLE A
LOCATION CODE SECTION INDEX

STATE	CODE	SECTION NUMBER
Alabama	AL	005-230-101
Alaska	AK	005-230-147
Arizona	AZ	005-230-102
Arkansas	AR	005-230-103
California	CA	005-230-104
Colorado	CO	005-230-105
Connecticut	CT	005-230-106
Delaware	DE	005-230-107
District of Columbia	DC	005-230-108
Florida	FL	005-230-109
Georgia	GA	005-230-110
Hawaii	HA	005-230-147
Idaho	ID	005-230-111
Illinois	IL	005-230-112
Indiana	IN	005-230-113
Iowa	IA	005-230-114
Kansas	KS	005-230-115
Kentucky	KY	005-230-116
Louisiana	LA	005-230-117
Maine	ME	005-230-118
Maryland	MD	005-230-119

TABLE A (Cont)

STATE	CODE	SECTION NUMBER
Massachusetts	MS	005-230-120
Michigan	MC	005-230-121
Minnesota	MN	005-230-122
Mississippi	MI	005-230-123
Missouri	MO	005-230-124
Montana	MT	005-230-125
Nebraska	NB	005-230-126
Nevada	NV	005-230-104
New Hampshire	NH	005-230-127
New Jersey	NJ	005-230-128
New Mexico	NM	005-230-129
New York	NY	005-230-130
North Carolina	NC	005-230-131
North Dakota	ND	005-230-132
Ohio	OH	005-230-133
Oklahoma	OK	005-230-134
Oregon	OR	005-230-135
Pennsylvania	PA	005-230-136
Rhode Island	RI	005-230-137
South Carolina	SC	005-230-131
South Dakota	SD	005-230-132
Tennessee	TN	005-230-138
Texas	TX	005-230-139
Utah	UT	005-230-140
Vermont	VT	005-230-141
Virginia	VA	005-230-142
Washington	WA	005-230-143
West Virginia	WV	005-230-144
Wisconsin	WI	005-230-145
Wyoming	WY	005-230-146
CANADIAN PROVINCE	CODE	SECTION NUMBER
Alberta	AT	005-230-147
British Columbia	BC	005-230-147
Manitoba	MA	005-230-147
New Brunswick	NK	005-230-147
Newfoundland	NF	005-230-147
Northwest Territory	NT	005-230-147
Nova Scotia	NS	005-230-147
Ontario	ON	005-230-147
Prince Edward Island	PE	005-230-147
Quebec	QB	005-230-147

TABLE A (Cont)

CANADIAN PROVINCE	CODE	SECTION NUMBER
Saskatchewan	SA	005-230-147
Yukon Territory	YT	005-230-147
FOREIGN COUNTRY	CODE	SECTION NUMBER
Antigua	AN	005-230-147
Argentina	AG	005-230-147
Australia	AU	005-230-147
Bahamas	BA	005-230-147
Belgium	BG	005-230-147
Bermuda	BM	005-230-147
Brazil	BZ	005-230-147
Canal Zone	CZ	005-230-147
Chile	CH	005-230-147
Cuba	CU	005-230-147
England	EN	005-230-147
France	FR	005-230-147
Germany	GE	005-230-147
Greenland	GR	005-230-147
Guam	GM	005-230-147
Holland	HD	005-230-147
Iceland	IC	005-230-147
Italy	IT	005-230-147
Jamaica	JM	005-230-147
Japan	JP	005-230-147
Midway Island	MY	005-230-147
Mexico	MX	005-230-147
New Zealand	NZ	005-230-147
North Ireland	NI	005-230-147
Norway	NW	005-230-147
Okinawa	OW	005-230-147
Puerto Rico	PR	005-230-147
Scotland	ST	005-230-147
Spain	SP	005-230-147
Sweden	SW	005-230-147
Switzerland	SZ	005-230-147
Thailand	TH	005-230-147
Venezuela	VE	005-230-147
Virgin Islands	VI	005-230-147
Wake Island	WK	005-230-147
West Indies	WS	005-230-147

6. UPDATING PROCEDURES

6.01 Lists I and II of the Location Codes (Sections 005-230-101 to 005-230-148) are prepared by the AT&T Common Language Group. Additions, deletions, or corrections to a current list can be made by preparing either a Location Identification Keypunch Source Document, a keypunch card prepared in the Keypunch Source Document format, or a magnetic tape image of a keypunch card prepared in the Keypunch Source Document format, and mailing to AT&T Common Language Group, Room 1101, 7 Dey Street, New York, New York 10007.

Note: If a Company plans to use magnetic tape for submitting updating information, the Common Language Group should be consulted beforehand.

6.02 Figure 4 shows the recommended format to be used for submitting updating entries, and 6.03 describes the procedure for preparing it. It is imperative that this document be thoroughly checked and approved before sending it to the Common Language Group for processing.

Note: The Location Identification Keypunch Source Document shows the allocated field lengths for recording data to be keypunched. When the data exceeds the allocated length of any field, one additional card must be used for each additional horizontal line needed. Special care must be taken to keep the information within the allocated fields on all cards. A maximum of three cards will be used in any one series, and the location code (character positions 1 to 11) must be filled in on each card of a series.

6.03 Four computer actions for updating the location code lists are provided. These actions and the corresponding data required on the Keypunch Source Document are as follows:

(a) *To Delete an Entire Print Entry Associated With a Given Location Code from Both Lists:*

(1) *Character Positions 1 to 11—Location Code:* Enter the location code of the print entry to be deleted.

(2) *Character Positions 12 to 79:* These character positions are left blank.

(3) *Character Position 80—Action:* Enter the numeral 1.

Note: This action code will also cause the deletion of any additional horizontal print line entries associated with the location code appearing in character positions 1 to 11.

(b) *To Delete All Print Entries for a Given State, Canadian Province, or Foreign Country:*

(1) *Character Positions 1 to 4—Town:* These character positions are left blank.

(2) *Character Positions 5 and 6—State:* Enter the 2-character code identifying the State, Canadian Province, or Foreign Country whose entire file is to be deleted. These codes are listed in Table A.

(3) *Character Positions 7 to 79:* These character positions are left blank.

(4) *Character Position 80—Action:* Enter the numeral 2.

Note: This action code is included so that an individual company's short interval updating of a file may be reflected over a longer interval by a complete file regeneration. This deleted file will be replaced by subsequent cards or tape images of cards containing a numeral 3 in character position 80. Prior to a company's use of this action, the Common Language Group should be consulted.

(c) *To Add a Print Line Entry to Both Lists:*

(1) *Character Positions 1 to 4—Town:* Enter the 4-character town code. This code must be obtained from the Common Language Group.

(2) *Character Positions 5 and 6—State:* Enter the 2-character code identifying the State, Canadian Province, or Foreign Country. These codes are listed in Table A.

(3) *Character Positions 7 to 11—Central Office Building or Other Location:* Enter the 4- or 5-character code identifying the central office building or the location other than a central office building according to the rules in 3.01 to 4.04.

- (4) **Character Positions 12 to 35 — Location Name:** Enter the complete town and building name or other approved location name being identified by the code in character positions 7 to 11. Start the entry at character position 12. Leave one character space between the town and building name. If the data to be entered exceeds the allocated 24 character positions see 6.02 for instructions.
- (5) **Character Positions 36 to 53 — Address:** These character positions are left blank.
- (6) **Character Positions 54 to 75 — Internal Building or Other Identity:** Enter a description to identify the internal building or other identity coded in character positions 7 to 11. If the data to be entered exceeds the allocated 22 character positions see 6.02 for instructions.
- (7) **Character Positions 76 to 78:** These character positions are left blank.
- (8) **Character Position 79 — Card Number:** Enter the numeral 1 if the card contains all required data. If it is one of a series of cards containing related data as noted in 6.02, enter the numeral (1 to 3) that shows its sequential position in the series.
- (9) **Character Position 80 — Action:** Enter the numeral 3.
- (d) **To Change the Data Appearing in the LOCATION NAME (Character Positions 12 to 35), ADDRESS (Character Positions 36 to 53), and/or INTERNAL BUILDING OR OTHER IDENTITY (Character Positions 54 to 75) Fields for a Specified Print Line Entry.**
- (1) **Character Positions 1 to 11 — Location Code:** Enter the location code as it appears in the lists for the given print line entry to be changed.
- (2) **Character Positions 12 to 35 — Location Name:** If data in this field is to be changed, enter the new data starting at character position 12, leaving one character space between the town and building name. If this field is not to be changed, enter the existing data as it appears in the lists, leaving spaces as reflected in lists.
- (3) **Character Positions 36 to 53 — Address:** If data in this field is to be changed, enter the new data starting at character position 36. If this field is not to be changed, enter the existing data as it appears in the lists, leaving spaces as reflected in lists.
- (4) **Character Positions 54 to 75 — Internal Building or Other Identity:** If data in this field is to be changed, enter the new data starting at character position 54. If this field is not to be changed, enter the existing data as it appears in the lists, leaving spaces as reflected in lists.
- (5) **Character Positions 76 to 78:** These character positions are left blank.
- (6) **Character Position 79 — Card Number:** Enter the numeral 1 if the first horizontal line entry listed is undergoing change. Enter the numeral 2 if the second horizontal line entry listed is undergoing change. Enter the numeral 3 if the third horizontal line entry listed is undergoing change.
- (7) **Character Position 80 — Action:** Enter the numeral 4.
- Note:** This change action eliminates the necessity for a delete and an add action in order to effect a change in a given print line entry. The new or changed data together with the existing or unchanged data in character positions 12 to 75 *must* be entered on the keypunch source document. The location code, character positions 1 to 11, are not affected by this change action.
- 6.04** Examples of typical updating entries on the Key Punch Source Document described in 6.03 are shown in Fig. 5.



LOCATION IDENTIFICATION
KEYPUNCH SOURCE DOCUMENT

COMPANY:	PREPARED BY	DATE	APPROVED BY	DATE	SERIAL NO.
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[illegible]

SPECIAL INSTRUCTIONS:

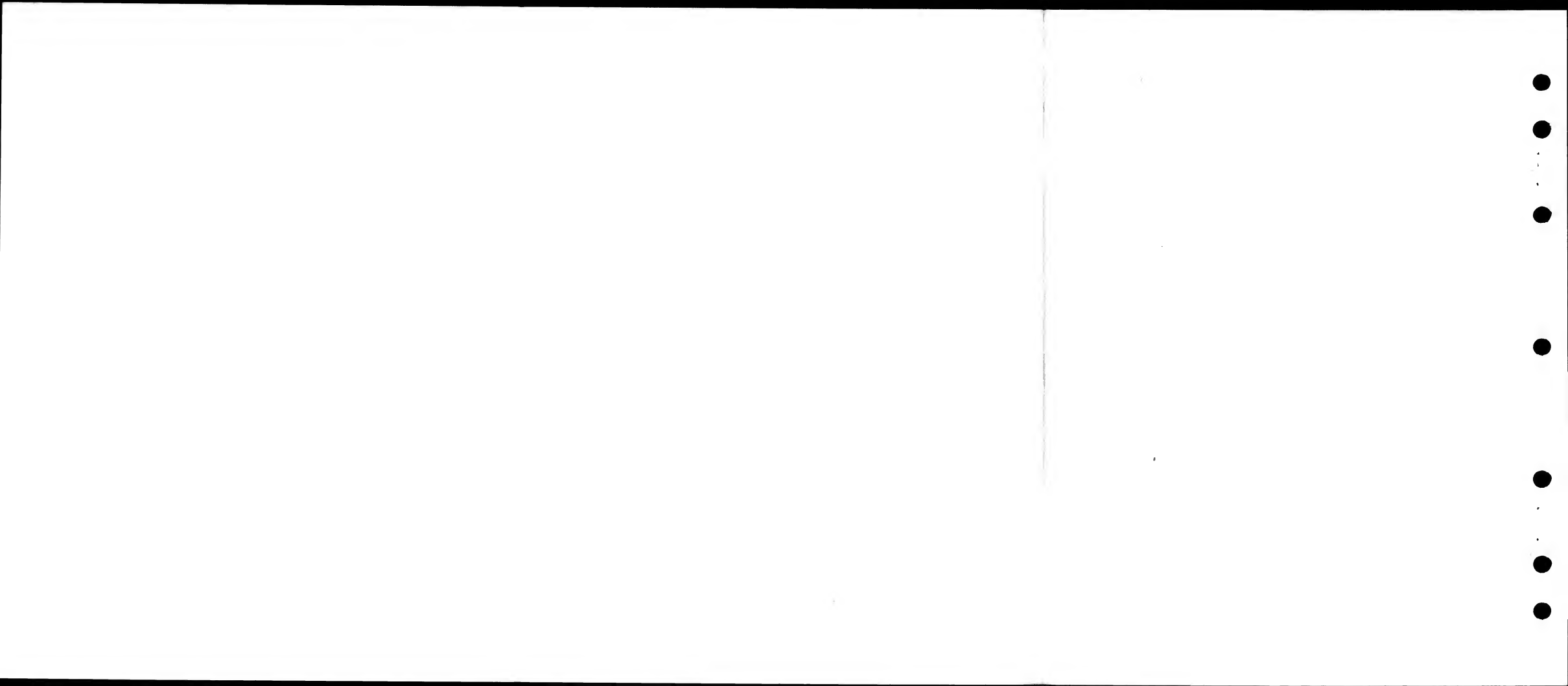
- (1) **Column 79 — Card Number:** Enter a numeral, 1 to 3, to show the series number of this card.
- (2) **Column 80 — Action:** 1 = delete, 2 = delete state file, 3 = add, 4 = change.
- (3) **Numerical characters.** Alphabetical characters.

$$\begin{array}{ll} 0 = 0 & 0 = \emptyset \\ 1 = 1 & 1 = 1 \\ 2 = 2 & 2 = \mathbb{Z} \end{array}$$

TO DPC:			
FROM	DATE	KEYPUNCHED BY	DATE
DATE REQUIRED		KEYPUNCH VERIFIED	DATE

SHEET NO. _____ OF _____

Fig. 4 — Location Identification Key punch Source Document



LOCATION IDENTIFICATION
KEYPUNCH SOURCE DOCUMENT

[illegible]

SPECIAL INSTRUCTIONS:

- (1) **Column 79 — Card Number:** Enter a numeral, 1 to 3, to show the series number of this card.
- (2) **Column 80 — Action:** 1 = delete, 2 = delete state file, 3 = add, 4 = change.
- (3) **Numerical characters.** Alphabetical characters.

$$\begin{array}{ll} 0 = 0 & 0 = \emptyset \\ 1 = 1 & 1 = 1 \\ 2 = 2 & 2 = \mathbb{Z} \end{array}$$

TO DPC

FROM	DATE	KEYPUNCHED BY	DATE
DATE REQUIRED		KEYPUNCH VERIFIED	DATE

SHEET NO. _____ OF _____

Note 1: The following single-line entry can be deleted from both lists by entering the required data as shown on Line 1 and processing the input document by standard procedures.

ALBYCA11526 ALBANY 11 1612 SOLANO AVENUE 1X

Note 2: The following multiline entry can be deleted from both lists by entering the required data as shown on Line 3 and processing the input document by standard procedures.

ALBYCA66527 ALBANY 66 26492 CONGRESS 1XB
 AVENUE WEST

Note 3: An entire state file as illustrated below may be deleted from both lists by entering the required data as shown on Line 5 and processing the input document by standard procedures. (This action is only permissible when an entire state bulk updating procedure is being used, see 6.03(b)).

AAAACA11234	LOCATION NAME	ADDRESS	INT BLDG IDENT
ZZZZCA11234	LOCATION NAME	ADDRESS	INT BLDG IDENT

Note 4: A new location code individual-line entry as shown below can be added to both lists by entering the required data as shown on Line 7.

ALBYCA11527 ALBANY 11 1612 SOLANO AVE. 1X1

Note 5: A new location code requiring a multiline entry as shown below can be added to both lists by entering the data to be listed and processing the input document by standard procedures. Note that numerals 1, 2, and 3 are entered in character positions 79 of the first, second, and third cards, respectively. Lines 9 to 11 show such an entry.

ALBYCA66527 ALBANY 11 14628 WEST 1XB
CONSTITUTION
REPUBLIC AVENUE

Note 6: The location name, address, or internal building or other identity may be changed on both lists by entering the data to be substituted as shown on Lines 13 to 16. The 11-character location code must be entered in character positions 1 to 11. If the listing is an individual line entry, the numeral 1 is entered in character position 79. If the listing is a multiline entry, any individual line of the multiline entry can be changed by indicating the line number to be changed by the numbers 1, 2, or 3 in character position 79. The following are examples of items that may be changed.

ALBYCA11528 ALBANY 11 1612 SOLANO AVE. 1XB
(Original Entry, see Line 13)

ALBYCA11528 ALBANY LANDSCAPE 1612 SOLANO AVE. 1XB
(Substituted Entry)

ALBYCA11528 ALBANY 11 1612 SOLANO AVE. 1XB
(Original Entry, see Line 14)

ALBYCA11528 ALBANY 11 2612 SOLANO AVE. 1XB
(Substituted Entry)

ALBYCA11528 ALBANY 11 1612 SOLANO AVE. 1XB
(Original Entry, see Line 15)

ALBYCA11528 ALBANY 11 1612 SOLANO AVE. SXS
(Substituted Entry)

ALBYCA11528 ALBANY 11 14628 WEST 1XB
 CONSTITUTION
 REPUBLIC AVE.
 (Original Entry, see Line 16)

ALBYCA11528 ALBANY 11 14628 WEST 1XB
KENNEDY
REPUBLIC AVE.
(Substituted Entry)

Fig. 5 — Typical Updating Entries on the Location Identification Key Punch Source Document

